

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

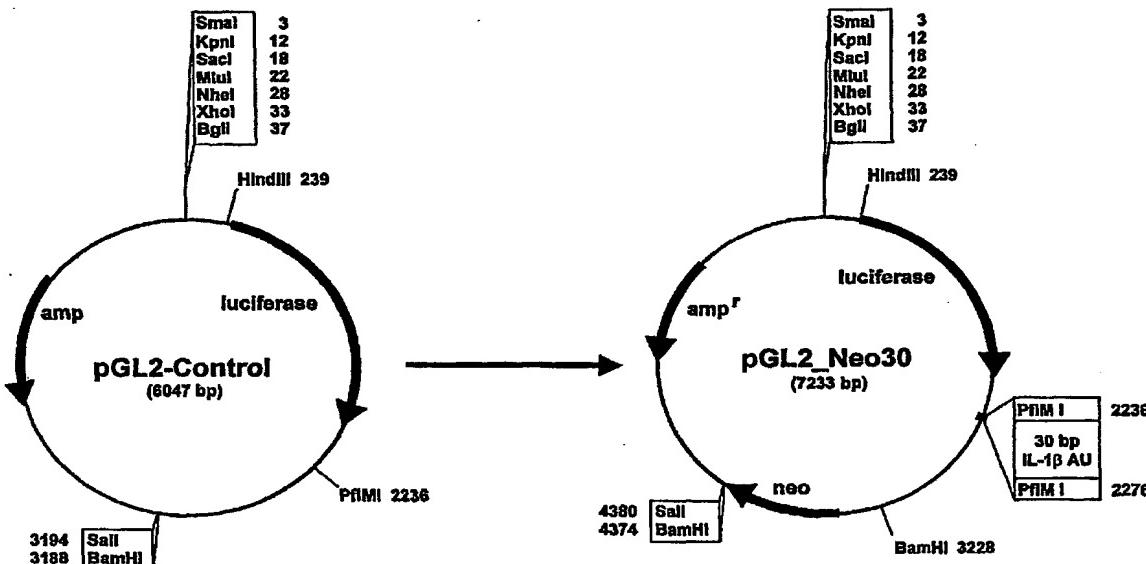
PCT

(10) International Publication Number
WO 2005/095615 A1

- (51) International Patent Classification⁷: **C12N 15/63**, C12Q 1/68
- (21) International Application Number: **PCT/CA2005/000491**
- (22) International Filing Date: 1 April 2005 (01.04.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/814,634 1 April 2004 (01.04.2004) US
- (71) Applicant (for all designated States except US): NOVATION PHARMACEUTICALS INC. [CA/CA]; 635 Columbia Street, New Westminster, British Columbia V3M 1A7 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KASTELIC, Tania [CA/CA]; 2310 Huron Drive, Coquitlam, British Columbia V3J 6Y6 (CA). CHENEVAL, Dominique [CA/CA]; 2310 Huron Drive, Coquitlam, British Columbia V3J 6Y6 (CA).
- (74) Agent: MBM & CO.; 2200 - 200 Granville Street, Vancouver, British Columbia V6C 1S4 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
 — with international search report
 — before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ASSAY FOR IDENTIFYING COMPOUNDS WHICH AFFECT STABILITY OF mRNA



(57) Abstract: The present invention relates to an assay for the identification of biologically active compounds, in particular to a reporter gene assay for the identification of compounds, which have an effect on mRNA stability. More particularly, the present invention relates to a reporter gene expression system and cell lines comprising said expression system. The invention further relates to compounds which destabilise mRNA.

BEST AVAILABLE COPY

WO 2005/095615 A1